

1. A method of displaying embedded firmware program information, comprising:
 - displaying a first screen to interact with a user for high level function selections;
 - displaying a second screen to show hardware resources for a programmable circuit;
 - displaying a third screen to show source code for a plurality of source code programs to control the programmable circuit; and
 - displaying a fourth screen to show symbolic information associated with the displayed source code.
2. The method according to claim 1, further including displaying source code associated with a symbol selected by the user.
3. The method according to claim 2, further including displaying a view source button.
4. The method according to claim 1, wherein the symbolic information is associated with one or more of code labels, data labels, data register names, and index register names.
5. The method according to claim 1, further including displaying the symbolic information without typing by the user.
6. The method according to claim 1, further including displaying symbolic information associated with data structures.
7. The method according to claim 1, further including displaying a device enabling expansion of the displayed symbolic information.
8. The method according to claim 6, further including displaying address and value information associated with the data structures.

9. The method according to claim 1, further including parsing the source code to create a list items for symbols files associated with the source code.
10. The method according to claim 9, further including outputting symbolic information for a data structure recursively until resultant fields are no longer structures.
11. The method according to claim 1, further including displaying the symbolic information for particular regions of the source code.
12. The method according to claim 1, wherein the programmable circuit includes a network processor.
13. An embedded firmware development system, comprising:
 - a control module to control the system;
 - a device interface module coupled to the control module to communicate with a device to be programmed by the system;
 - an assembler module coupled to the control module to assemble source code;
 - a main module coupled to the control module to display a high-level function screen;
 - a source module coupled to the control module to display source code for at least two firmware programs;
 - a hardware resource module coupled to the control module to display hardware resources associated with the device to be programmed; and
 - a speedbar module coupled to the control module to display symbolic information associated with the source code.
14. The system according to claim 13, wherein the symbolic information includes at least one of code labels, data labels, data structures, data register names, and index register names.

15. The system according to claim 13, wherein the device includes a network processor.

16. An article comprising:

a storage medium having stored thereon instructions that when executed by a machine result in the following:

displaying a first screen to interact with a user for high level function selections;

displaying a second screen to show hardware resources for a programmable circuit;

displaying a third screen to show source code for a plurality of source code programs to control the programmable circuit; and

displaying a fourth screen to show symbolic information associated with the displayed source code.

17. The article according to claim 16, further including displaying source code selected by the user.

18. The article according to claim 16, further including displaying the source code selected by the user by clicking on a view source button.

19. The article according to claim 16, wherein the symbolic information is associated with one or more of code labels, data labels, data register names, and index register names.

20. The article according to claim 16, further including displaying the symbolic information without typing by the user.

21. The article according to claim 16, further including displaying address and value information associated with data structures.

22. The article according to claim 16, further including parsing the source code to create a list items for symbols files associated with the source code.
23. The article according to claim 16, further including outputting symbolic information for a data structure recursively until resultant fields are no longer structures.
24. The article according to claim 16, further including displaying the symbolic information for particular regions of the source code.